

GRANULAR HYDRATING AGENT

[71] Applicant: SUMITOMO CHEM CO

[72] Inventors: OGAWA MASAO;
OTSUBO TOSHIRO;
TSUDA SHIGENORI

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[57] Abstract:

PURPOSE: To obtain a granular hydrating agent having excellent disintegrating and dispersing properties in water and storage stability by granulating a mixture containing a raw material of agricultural chemical having melting point being within a specific range, burned article of silica produced by wet method and surfactant by wet granulating method or dry granulating method. CONSTITUTION: A mixture containing one or more kind of materials selected from (A) 5- 50wt.% raw material for agricultural chemical having $\leq 70^{\circ}\text{C}$ melting point, (B) 4-40wt.% burned article (burning temperature is preferably $800-900^{\circ}\text{C}$) of silica produced by wet method, preferably having $\leq 5\text{wt.}\%$ equilibrium water content, $\leq 5\mu\text{m}$ grain size and 2.0-3.5cc/g oil absorption amount of linseed oil, (C) 5-30wt.% surfactant, preferably anionic or nonionic surfactant and as necessary (D) one or more kind of solvent, water soluble carrier and mineral carrier is granulated according to wet extrusion granulating method or dry granulating method to provide the granular hydrating agent having 200-2000 μm , especially 250-1500 μm grain size. COPYRIGHT: (C)1991,JPO&Japio

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